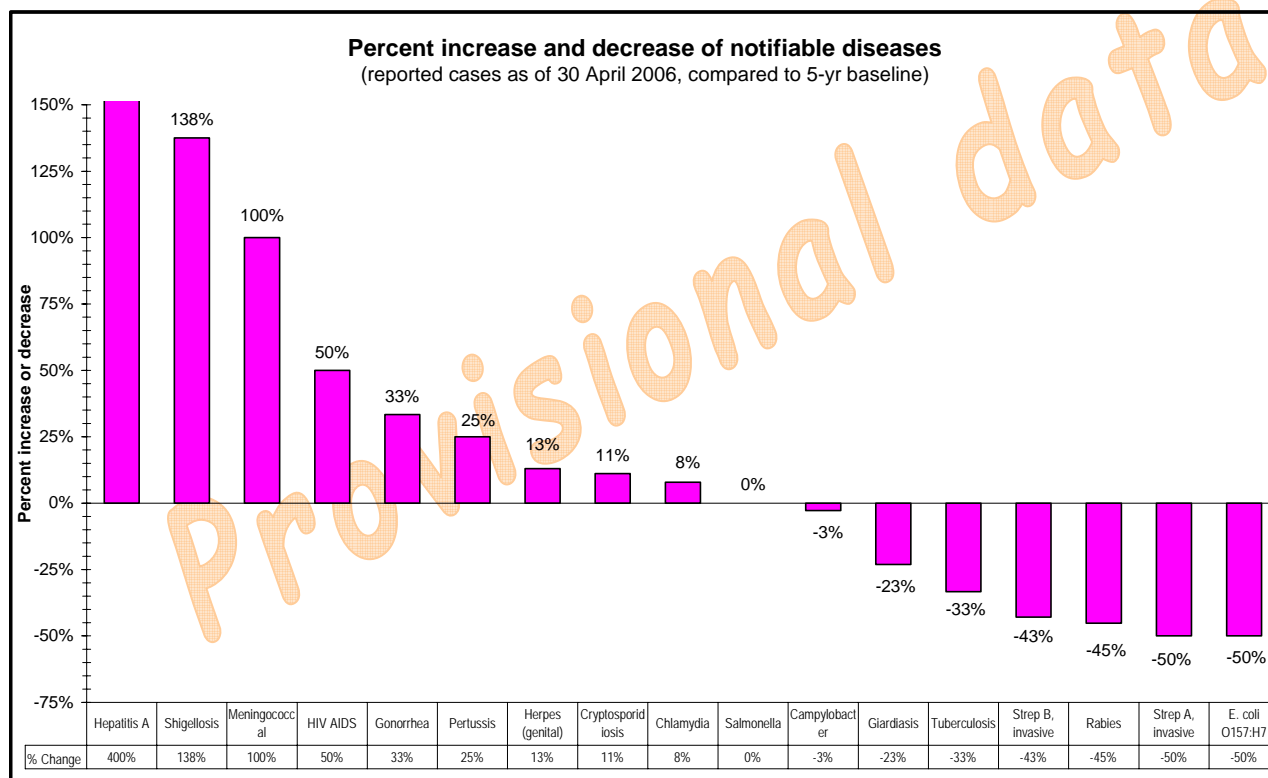


SOUTH DAKOTA INFECTIOUS DISEASE SUMMARY: 1 January – 30 April 2006**These data are provisional.**

Year-to-date on 30 April 2006, increases $\geq 50\%$ were observed over 5-year median for Hepatitis A (+400%), Shigellosis (+138%), HIV/AIDS (+50%).

Disease/agent	Cases YTD 1/31/06	Incidence YTD 1/31/06	5-year median cases	Percent increase / decrease	Comments
Hepatitis A	5	0.6	1	400%	Recent cases, travel related
Shigellosis	19	2.5	8	138%	Highest rate in Central Region
Meningococcal	2	0.3	1	100%	In Southeast Region
HIV AIDS	12	1.6	8	50%	Highest rate in Southeast Region
Gonorrhea	112	14.5	84	33%	Highest rate in Central Region
Pertussis	5	0.6	4	25%	All cases in Brookings County
Herpes (genital)	130	16.9	115	13%	Highest rate in Southeast Region
Cryptosporidiosis	10	1.3	9	11%	80% of cases in Clay and Yankton counties
Chlamydia	880	114.2	816	8%	Highest rate in Central and West Region
Salmonella	26	3.4	26	0%	Highest rate in Central Region
Campylobacter	35	4.5	36	-3%	Highest rate in Central Region
Giardiasis	20	2.6	26	-23%	50% of cases 5 yrs or younger
Tuberculosis	4	0.5	6	-33%	No new case reported in April
Strep B, invasive	4	0.5	7	-43%	2 cases reported in April
Rabies	17	NA	31	-45%	9+ skunks, 4+ cats, 4+ cows
Strep A, invasive	4	0.5	8	-50%	3 cases reported in April
E. coli O157:H7	1	0.1	2	-50%	Also 2 other shiga-toxin producing E. coli
Mumps as of 5/5/06	27	3.7	0		13 confirmed, 24 probably 9 suspects



Diseases may be reported to the SD Dept of Health at <http://www.state.sd.us/doh/diseasereport>

Incidence = cases reported per 100,000 population.

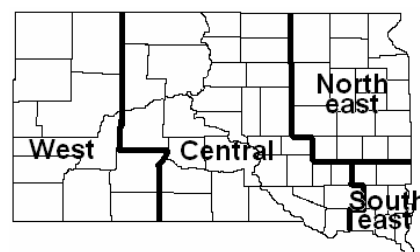
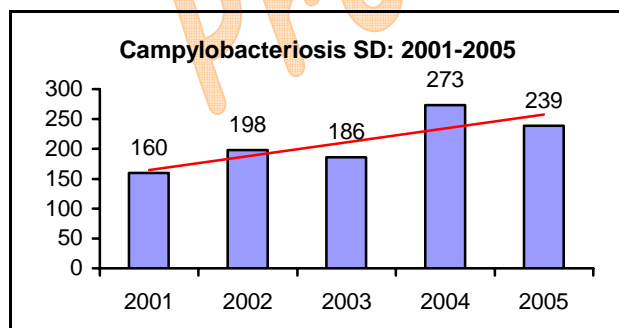
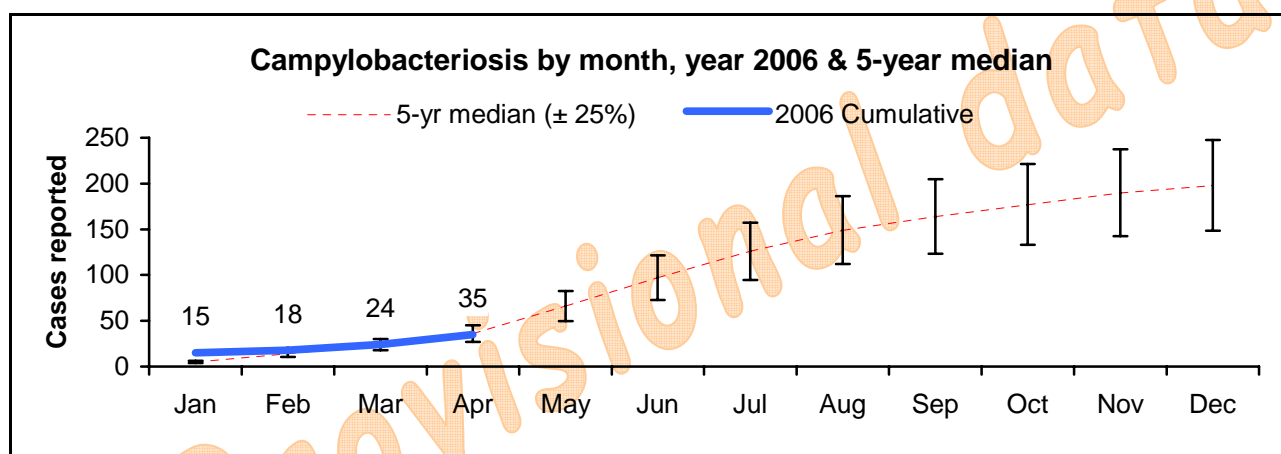
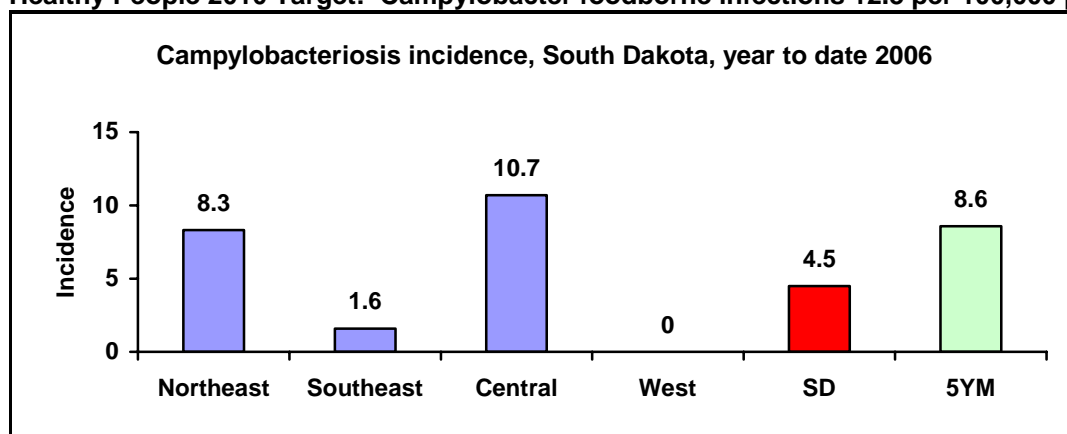
***Confidential disease reporting line 1-800-592-1804**

5YM= 5-year median

Population based on 2003 estimates

CAMPYLOBACTERIOSIS							
Region	Pop	# cases	Incidence	Jan	Feb	Mar	Apr
NorthEast Region	181,370	15	8.3	6	0	4	5
SouthEast Region	256,093	4	1.6	1	0	1	2
Central Region	148,946	16	10.7	7	3	1	5
Western Region	189,524	0	0.0	0	0	0	0
West River	234,700	2	0.9	0	0	0	2
East River	541,233	33	6.1	14	3	6	10
South Dakota YTD	775933	35	4.5	14	3	6	12

Healthy People 2010 Target: Campylobacter foodborne infections 12.3 per 100,000 per year



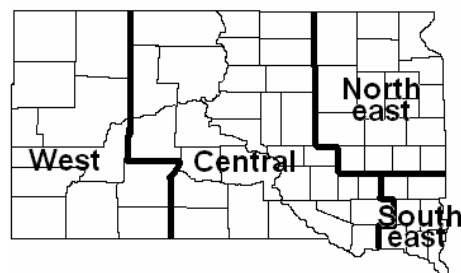
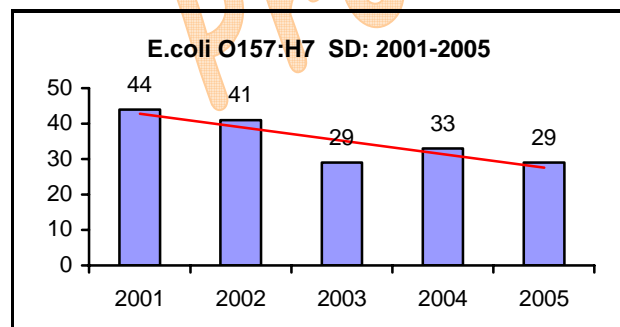
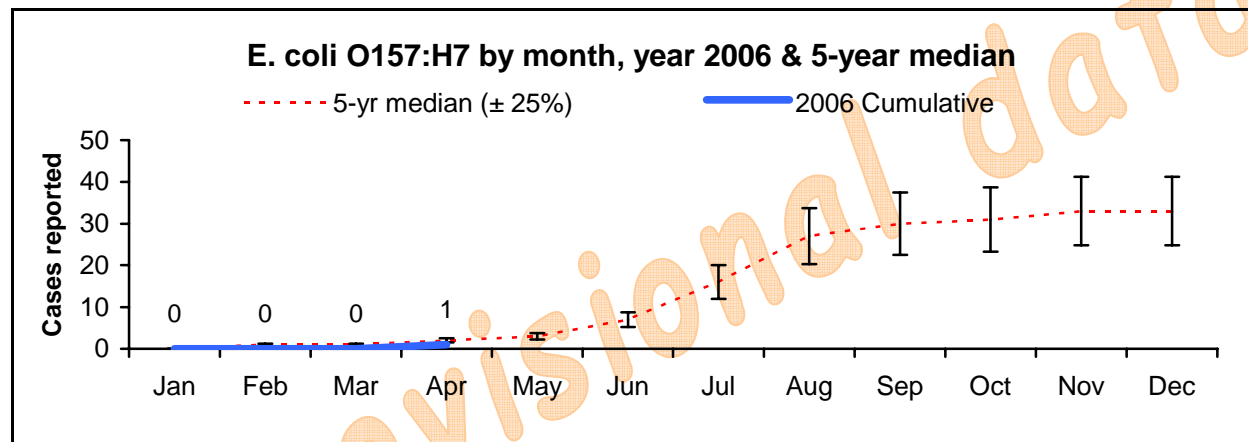
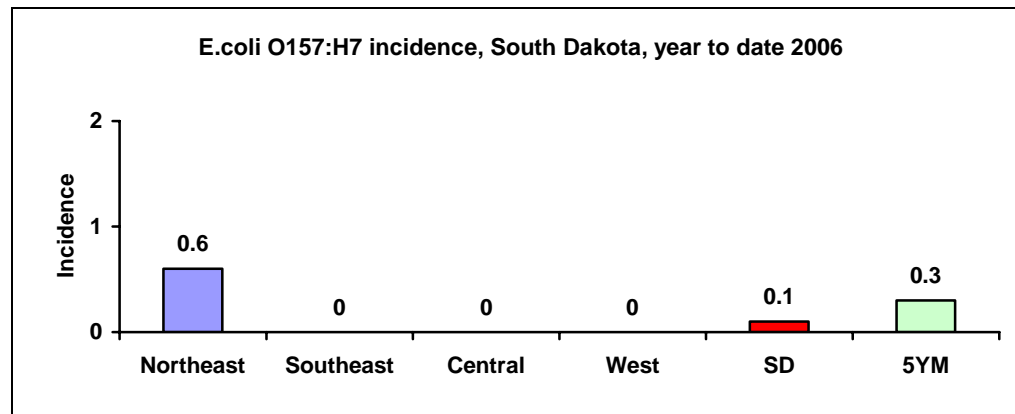
Incidence = cases reported per 100,000 population.

***Confidential disease reporting line 1-800-592-1804**

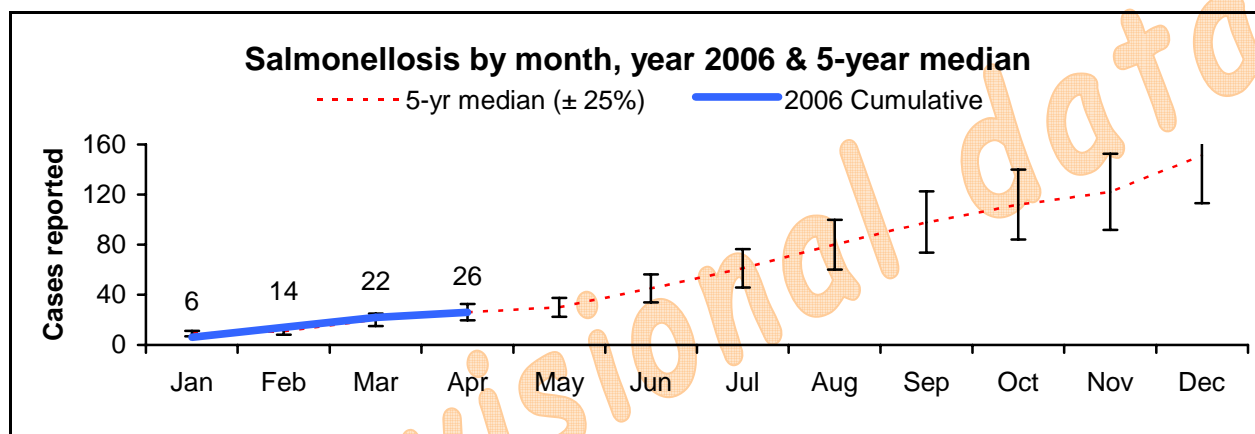
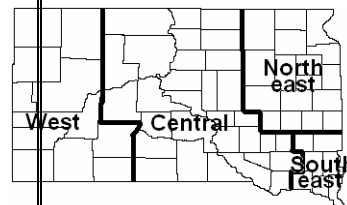
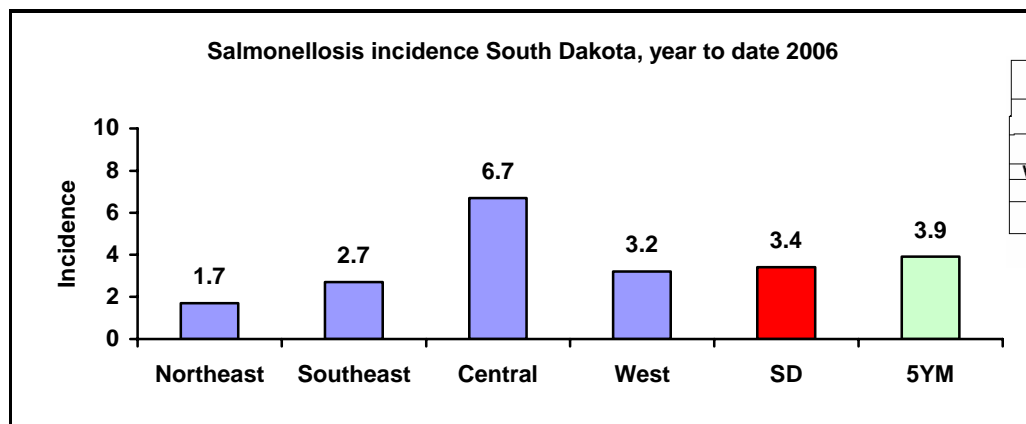
5YM= 5-year median

Population based on 2003 estimates

E. coli O157:H7				#			
Region	Pop	cases	Incidence	Jan	Feb	Mar	Apr
NorthEast Region	181,370	1	0.6	0	0	0	1
SouthEast Region	256,093	0	0.0	0	0	0	0
Central Region	148,946	0	0.0	0	0	0	0
Western Region	189,524	0	0.0	0	0	0	0
West River	234,700	0	0.0	0	0	0	0
East River	541,233	1	0.2	0	0	0	1
South Dakota YTD	775,933	1	0.1	0	0	0	1

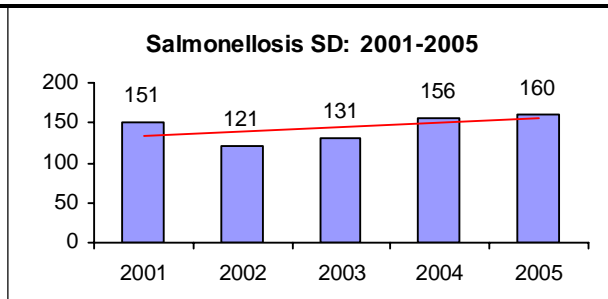


SALMONELLOSIS							
Region	Pop	# cases	Incidence	Jan	Feb	Mar	Apr
NorthEast Region	181,370	3	1.7	1	0	2	0
SouthEast Region	256,093	7	2.7	1	1	4	1
Central Region	148,946	10	6.7	2	5	0	3
Western Region	189,524	6	3.2	2	2	2	0
West River	234,700	11	4.7	2	7	2	0
East River	541,233	15	2.8	4	1	6	4
South Dakota YTD	775,933	26	3.4	6	8	8	4



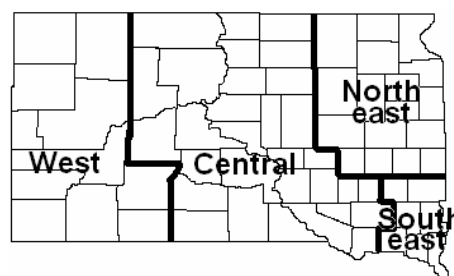
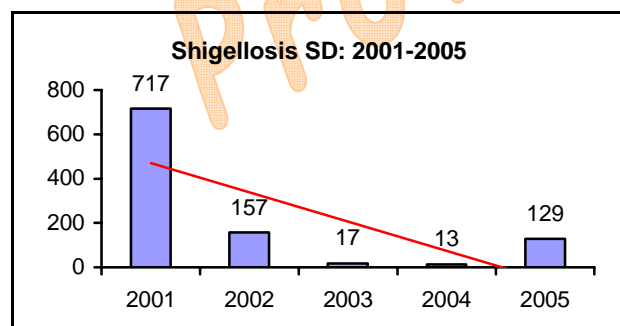
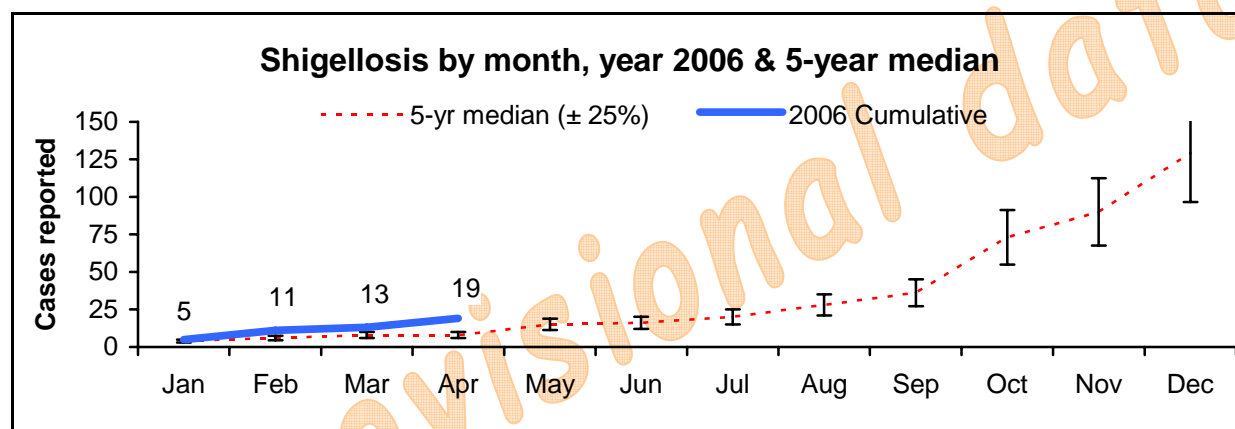
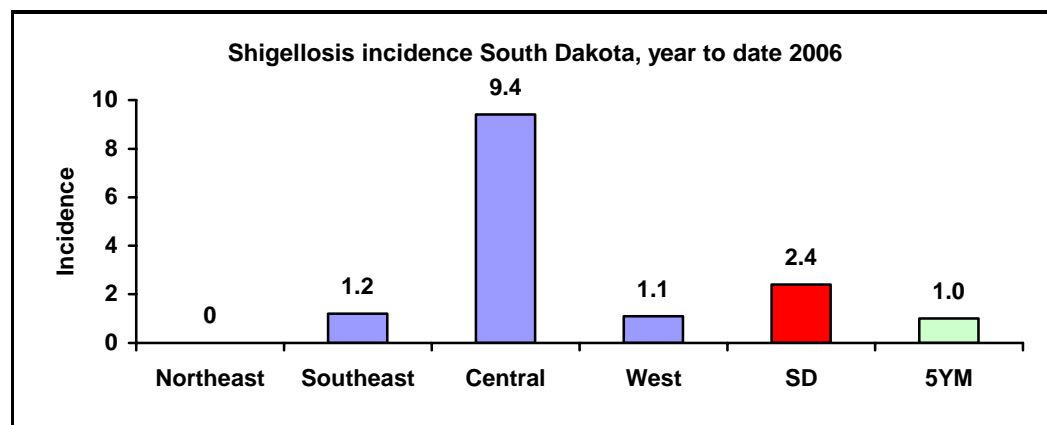
One case of imported *Salmonella Typhi* reported.

Salmonella serotype	TOTAL
S. enteritidis	3
S. heidelberg	2
S. montevideo	2
S. newport	2
S. typhi	1
S. typhimurium	6
Other serotypes	11
TOTAL	27



SHIGELLOSIS							
Region	Pop	# cases	Incidence	Jan	Feb	Mar	Apr
NorthEast Region	181,370	0	0.0	0	0	0	0
SouthEast Region	256,093	3	1.2	1	1	1	0
Central Region	148,946	14	9.4	4	5	0	5
Western Region	189,524	2	1.1	0	0	1	1
West River	234,700	13	5.5	3	3	1	6
East River	541,233	6	1.1	2	3	1	0
South Dakota YTD	775,933	19	2.4	5	6	2	6

Shigella species: All *Shigella sonnei*



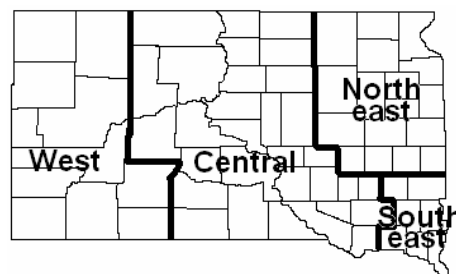
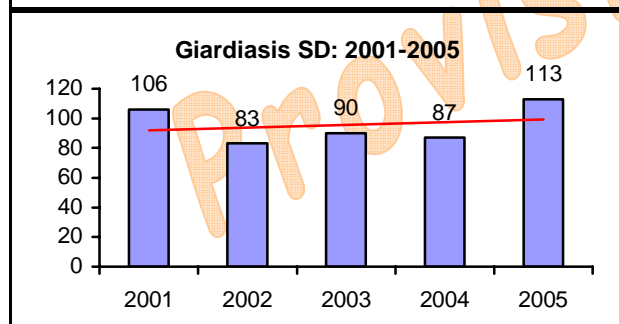
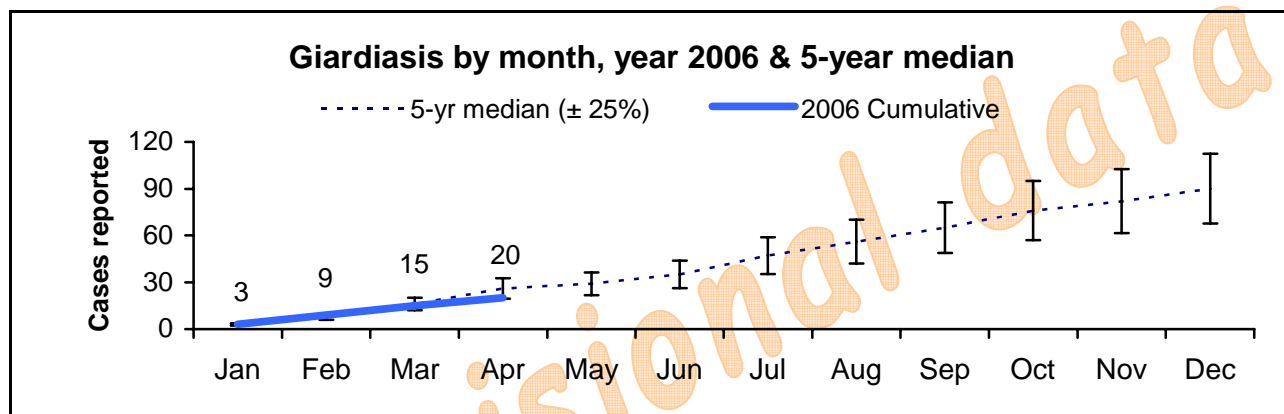
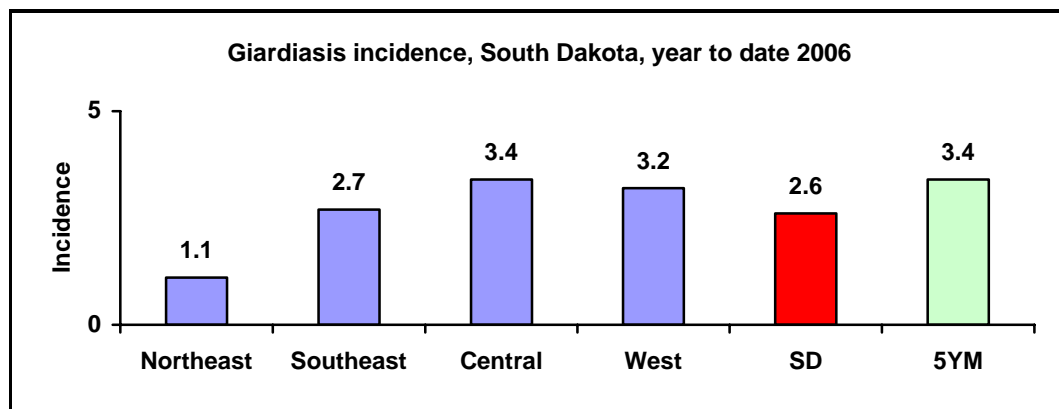
Incidence = cases reported per 100,000 population.

*Confidential disease reporting line 1-800-592-1804

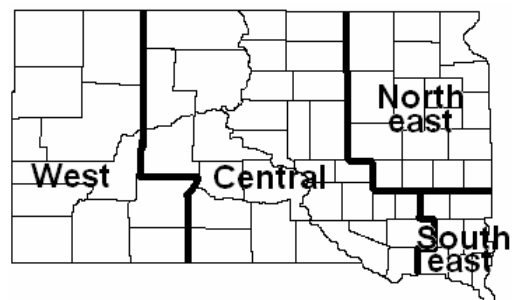
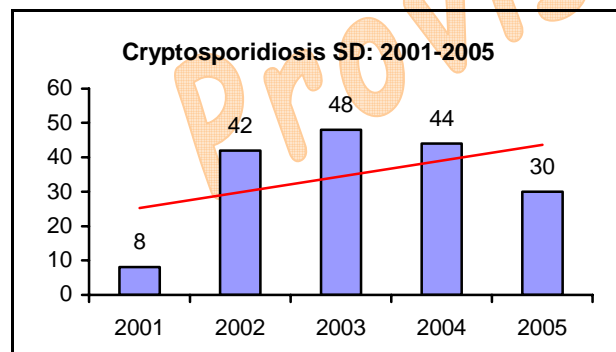
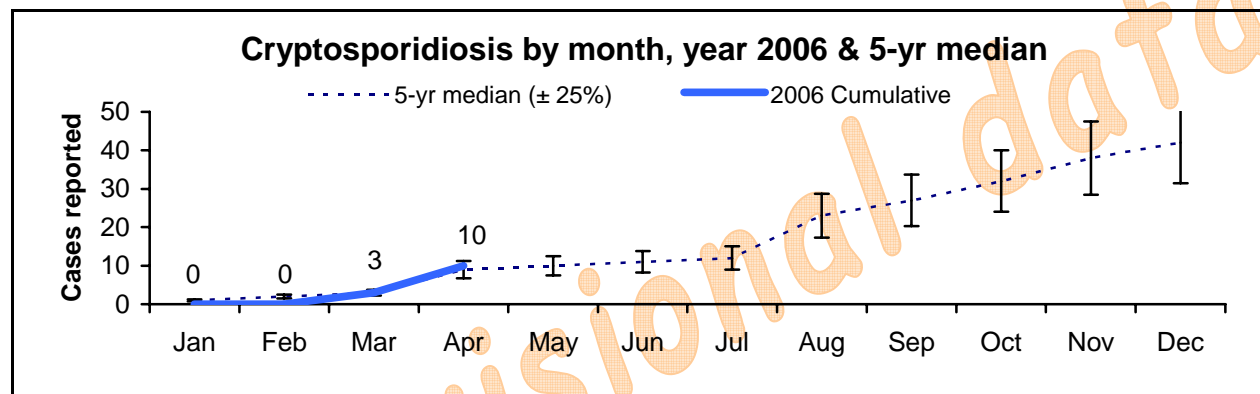
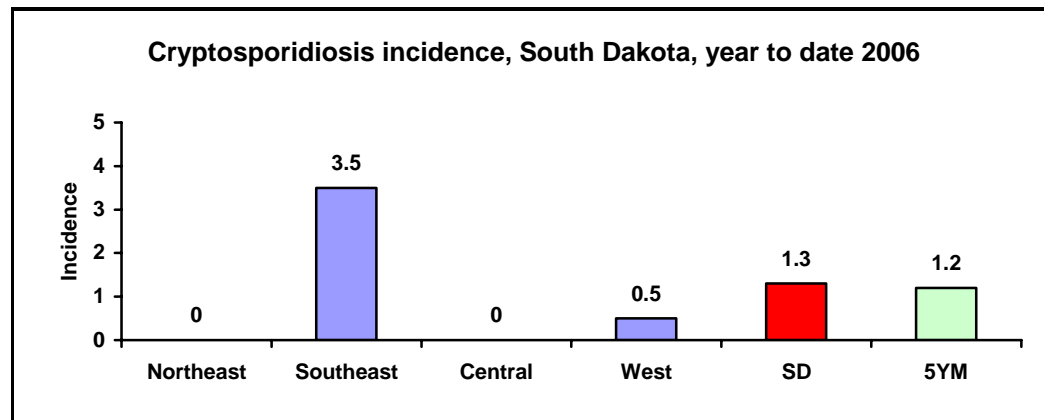
5YM= 5-year median

Population based on 2003 estimates

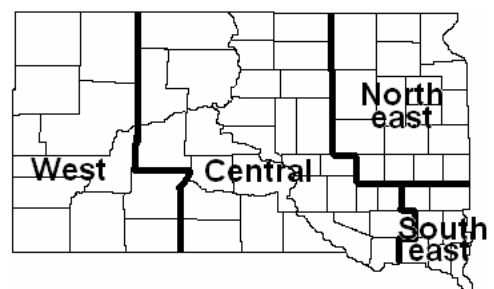
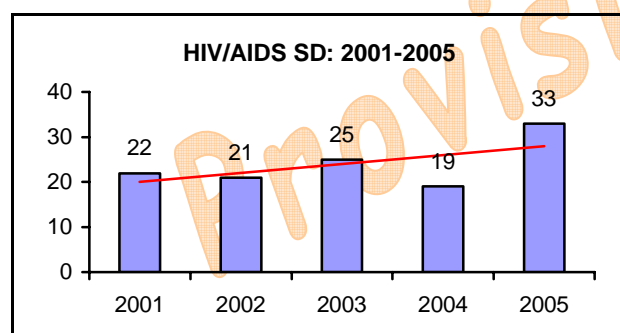
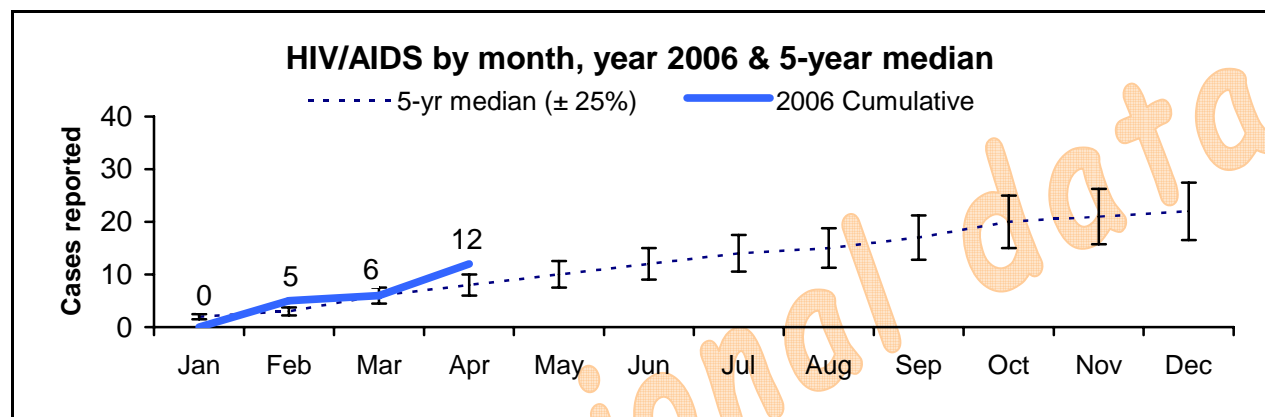
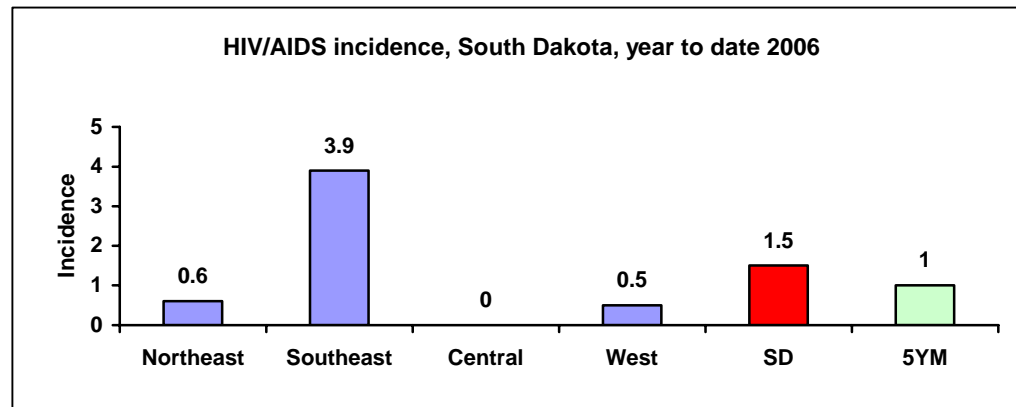
GIARDIASIS		#					
Region	Pop	cases	Incidence	Jan	Feb	Mar	Apr
NorthEast Region	181,370	2	1.1	0	2	0	0
SouthEast Region	256,093	7	2.7	0	1	2	4
Central Region	148,946	5	3.4	1	2	2	0
Western Region	189,524	6	3.2	2	1	2	1
West River	234,700	6	2.6	2	1	2	1
East River	541,233	14	2.6	1	5	4	4
South Dakota YTD	775,933	20	2.6	3	6	6	5



CRYPTOSPORIDIOSIS				#			
Region	Pop	cases	Incidence	Jan	Feb	Mar	Apr
NorthEast Region	181,370	0	0.0	0	0	0	0
SouthEast Region	256,093	9	3.5	0	0	3	6
Central Region	148,973	0	0.0	0	0	0	0
Western Region	189,524	1	0.5	0	0	0	1
West River	234,727	1	0.4	0	0	0	1
East River	541,233	9	1.7	0	0	3	6
South Dakota YTD	775,960	10	1.3	0	0	3	7

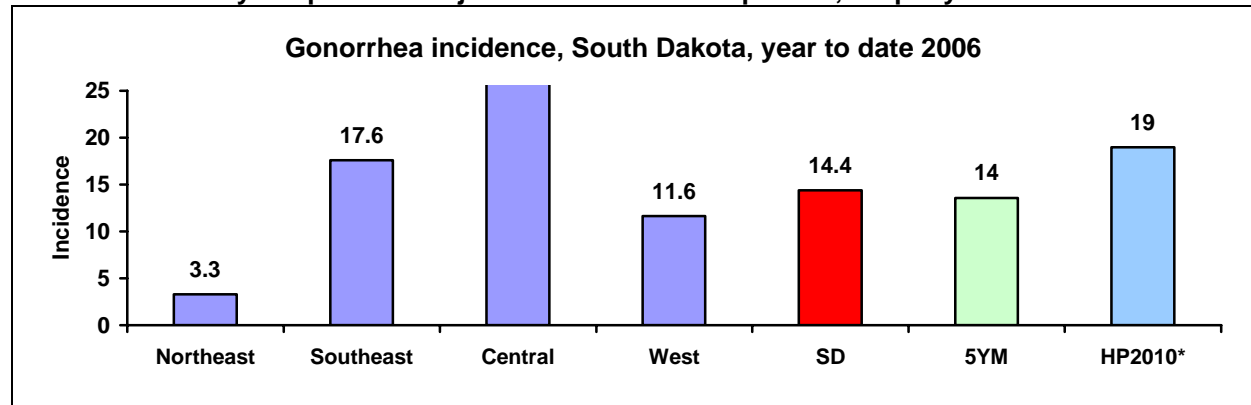


HIV / AIDS		#					
REGION	Pop	cases	Incidence	Jan	Feb	Mar	Apr
NorthEast Region	174,471	1	0.6	0	1		
SouthEast Region	256,093	10	3.9	0	4	1	5
Central Region	155,845	0	0.0	0			
Western Region	189,524	1	0.5	0			1
South Dakota YTD	775,933	12	1.5	0	5	1	6

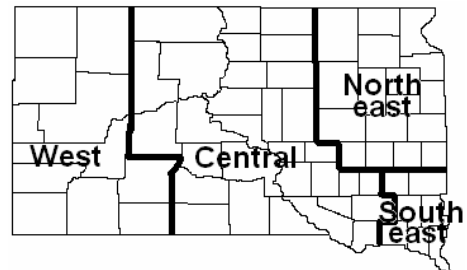
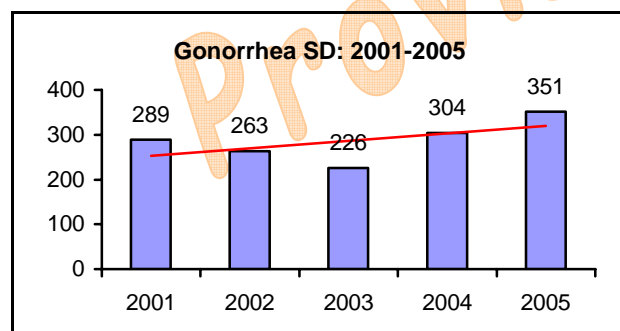
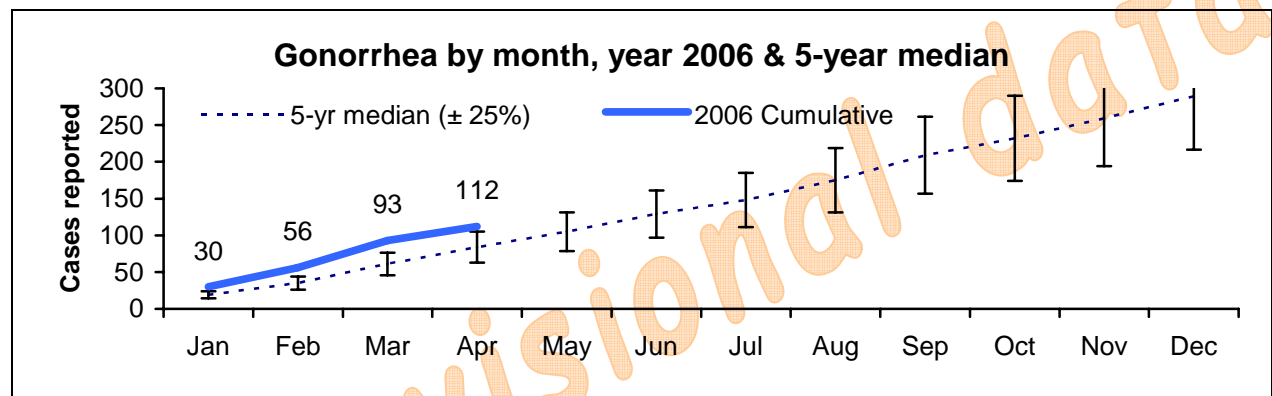


GONORRHEA		#					
REGION	Pop	cases	Incidence	Jan	Feb	Mar	Apr
NorthEast Region	181,370	6	3.3	1	2	1	2
SouthEast Region	256,093	45	17.6	8	6	22	9
Central Region	148,946	39	26.2	14	10	9	6
Western Region	189,524	22	11.6	7	8	4	3
West River	234,700	52	22.2	17	14	12	9
East River	541,233	60	11.1	13	12	24	11
South Dakota YTD	775,933	112	14.4	30	26	36	20

Gonorrhea Healthy People 2010 Objective: 19 new cases per 100,000 per year



*Healthy People 2010 Objective for full year.



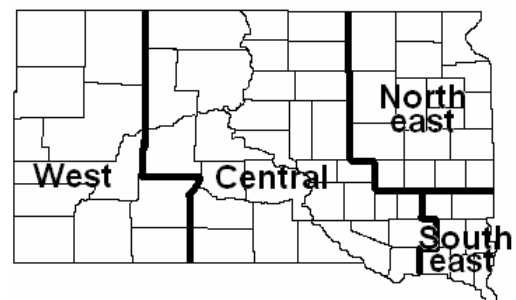
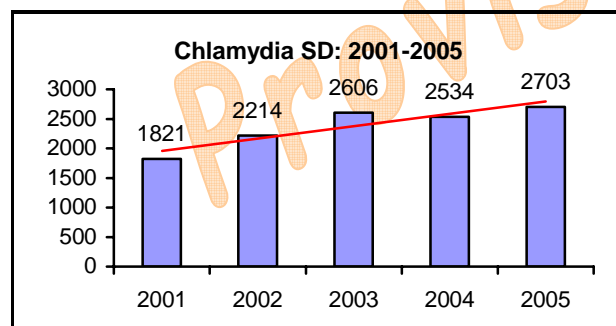
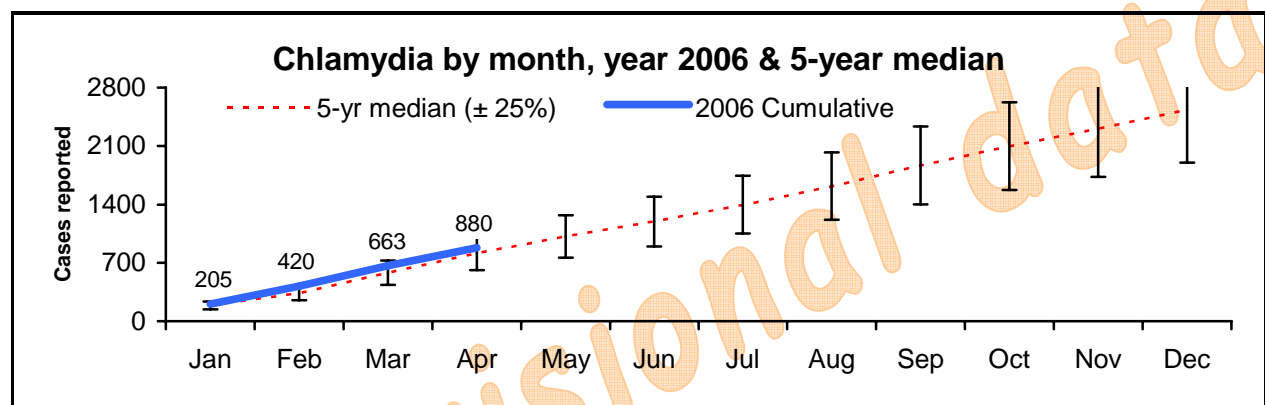
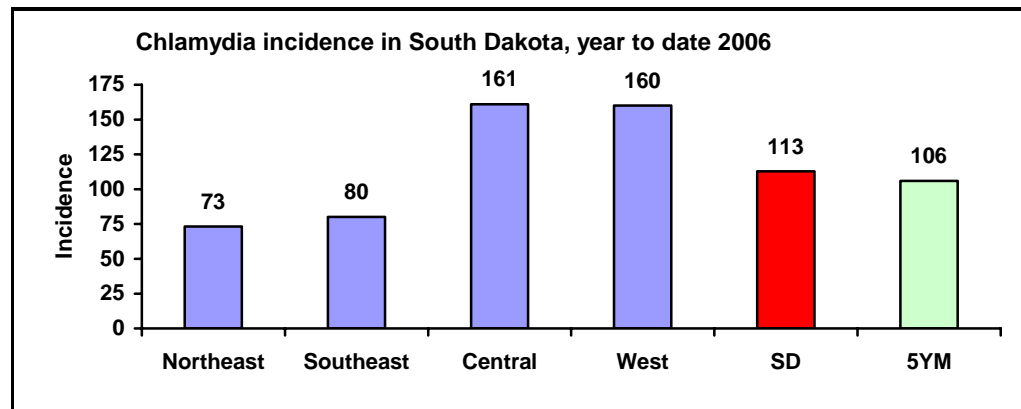
Incidence = cases reported per 100,000 population.

***Confidential disease reporting line 1-800-592-1804**

5YM= 5-year median

Population based on 2003 estimates

CHLAMYDIA trachomatis		#					
REGION	Pop	cases	Incidence	Jan	Feb	Mar	Apr
NorthEast Region	181,370	132	72.8	18	35	37	42
SouthEast Region	256,093	205	80.0	50	51	66	38
Central Region	148,973	240	161.1	60	55	73	52
Western Region	189,524	303	159.9	77	74	67	85
West River	234,727	454	193.4	111	108	110	125
East River	541,233	426	78.7	94	107	133	92
South Dakota YTD	775,960	880	113.4	205	215	243	217



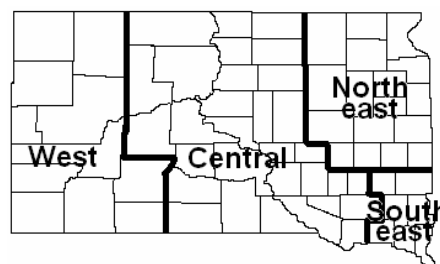
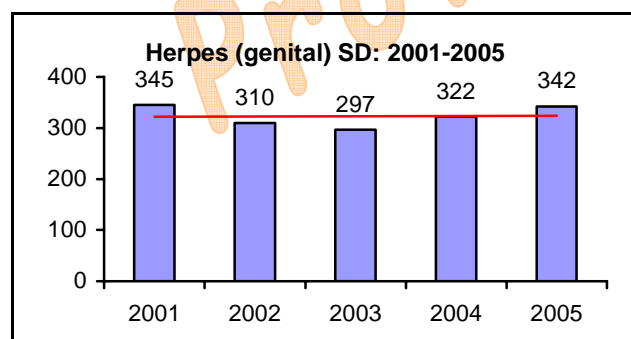
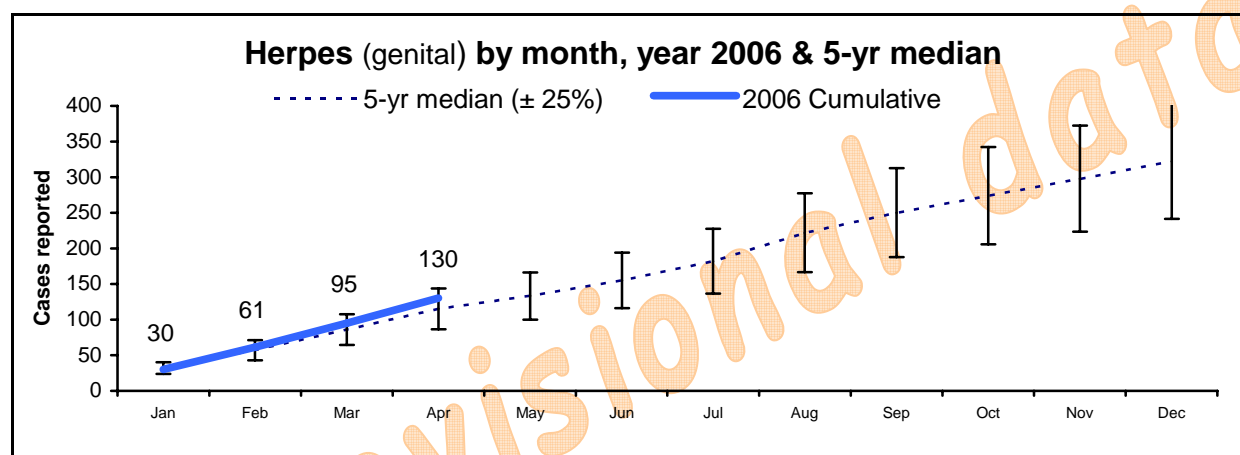
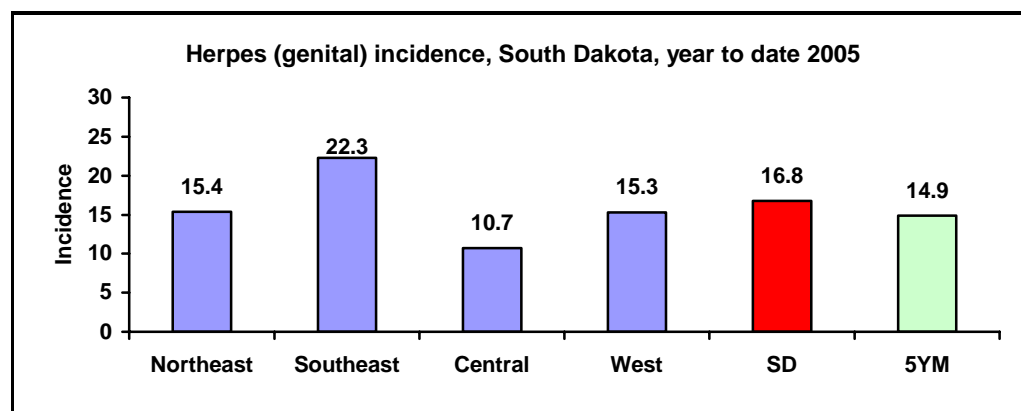
Incidence = cases reported per 100,000 population.

*Confidential disease reporting line 1-800-592-1804

5YM= 5-year median

Population based on 2003 estimates

HERPES genital/neonatal		#					
REGION	Pop	cases	Incidence	Jan	Feb	Mar	Apr
NorthEast Region	181,370	28	15.4	5	8	9	6
SouthEast Region	256,093	57	22.3	13	14	17	13
Central Region	148,973	16	10.7	4	1	5	6
Western Region	189,524	29	15.3	8	7	3	11
West River	234,727	34	14.5	9	8	5	12
East River	541,233	96	17.7	21	22	29	24
South Dakota YTD	775,960	130	16.8	30	30	34	36



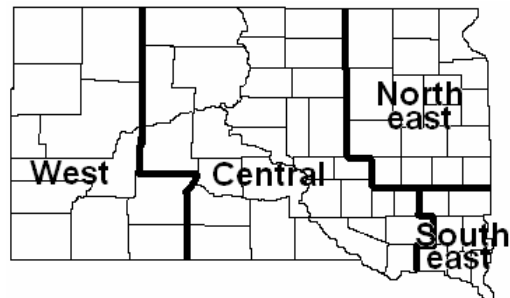
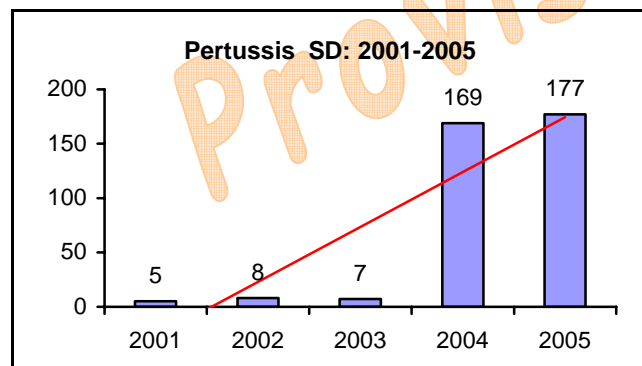
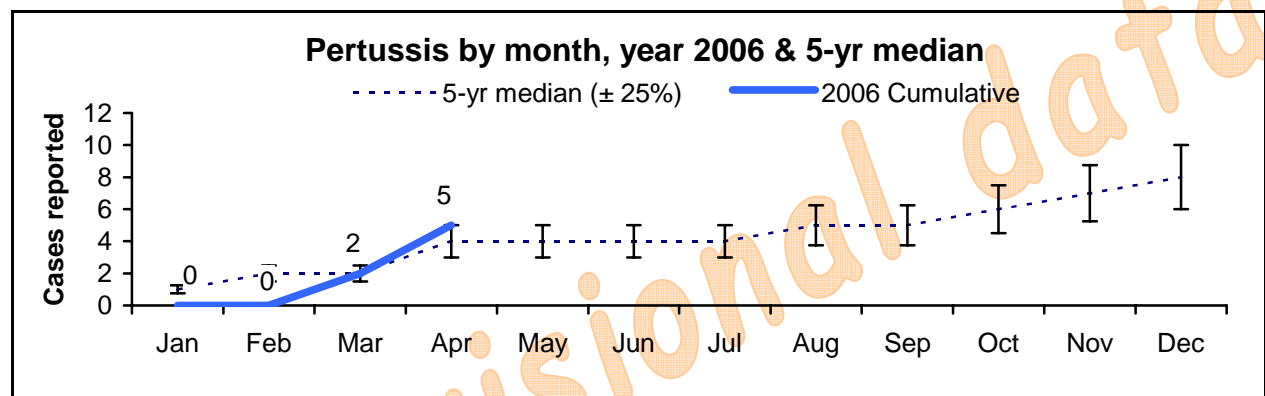
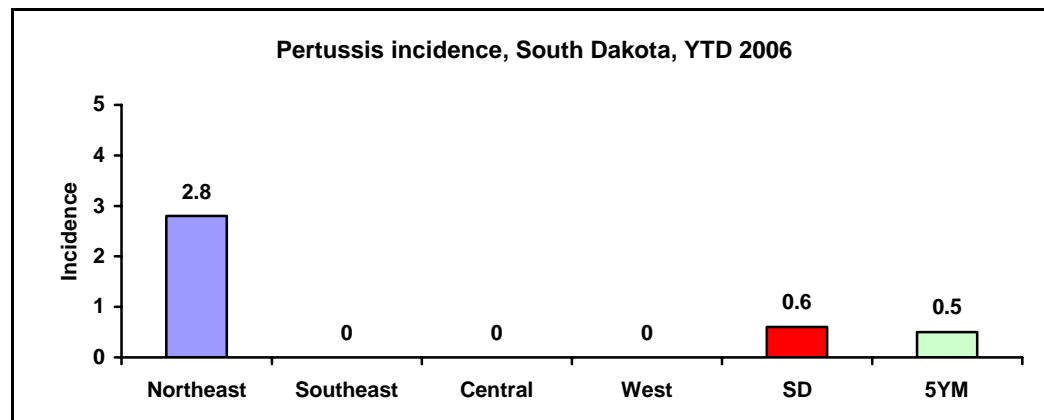
Incidence = cases reported per 100,000 population.

*Confidential disease reporting line 1-800-592-1804

5YM= 5-year median

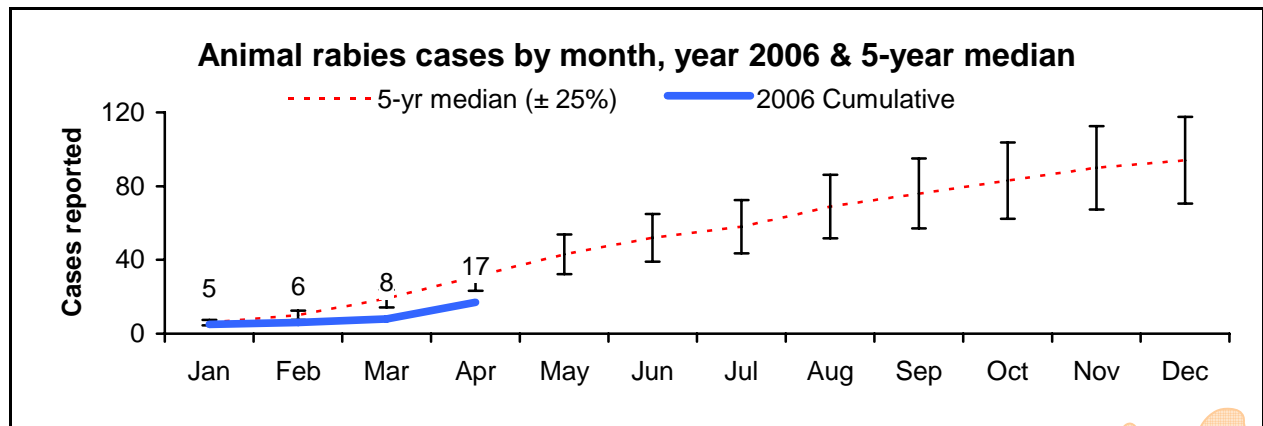
Population based on 2003 estimates

PERTUSSIS				#			
Region	Pop	cases	Incidence	Jan	Feb	Mar	Apr
NorthEast Region	181,370	5	2.8	0	0	2	3
SouthEast Region	256,093	0	0.0	0	0	0	0
Central Region	148,973	0	0.0	0	0	0	0
Western Region	189,524	0	0.0	0	0	0	0
West River	234,727	0	0.0	0	0	0	0
East River	541,233	5	0.9	0	0	2	3
South Dakota YTD	775,960	5	0.6	0	0	2	3

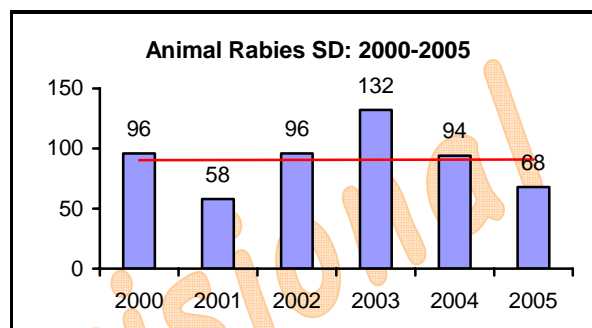


Animal Rabies in South Dakota, 1 January – 30 April 2006.

County	Rabid animals	County	Rabid animals
Bon Homme	Skunk 2;	Hughes	Cat 1;
Brown	Cat 2; bovine 1	Marshall	Bovine 1;
Clark	Cat 1; skunk 1	Meade	Skunk 1;
Clay	Skunk 1;	Minnehaha	Skunk 1;
Deuel	Skunk 1;	Moody	Skunk 1;
Faulk	Skunk 1;	Walworth	Bovine 1;
Hanson	Bovine 1;		



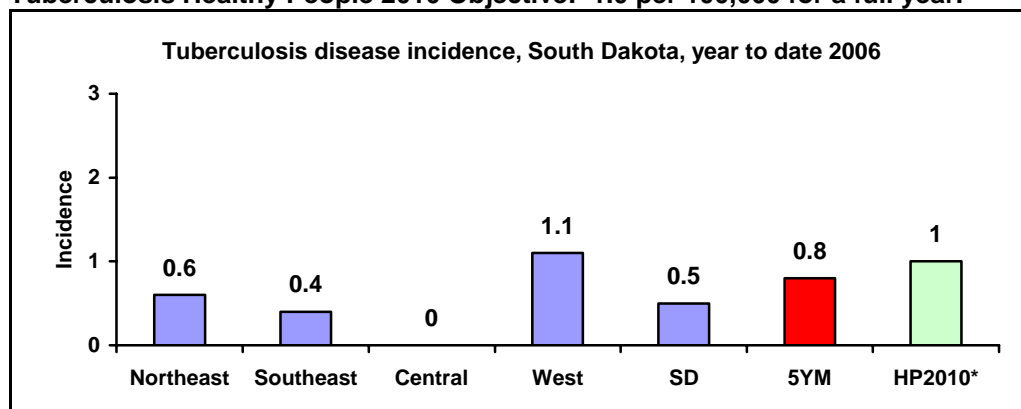
Animal	Number Positive
Bat	0
Cattle	4
Dog	0
Horse	0
Cat	4
Skunk	9
Raccoon	0
Other*	0
Total	17



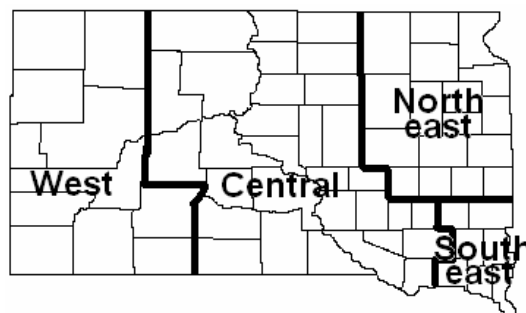
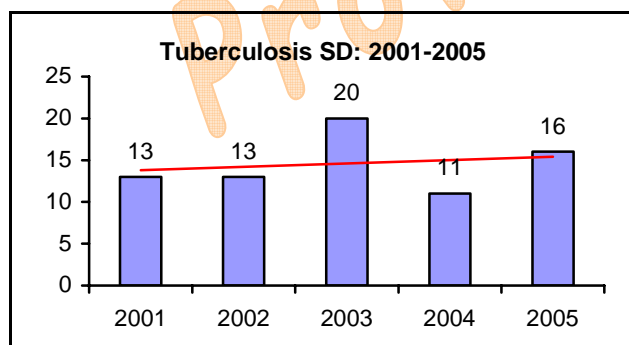
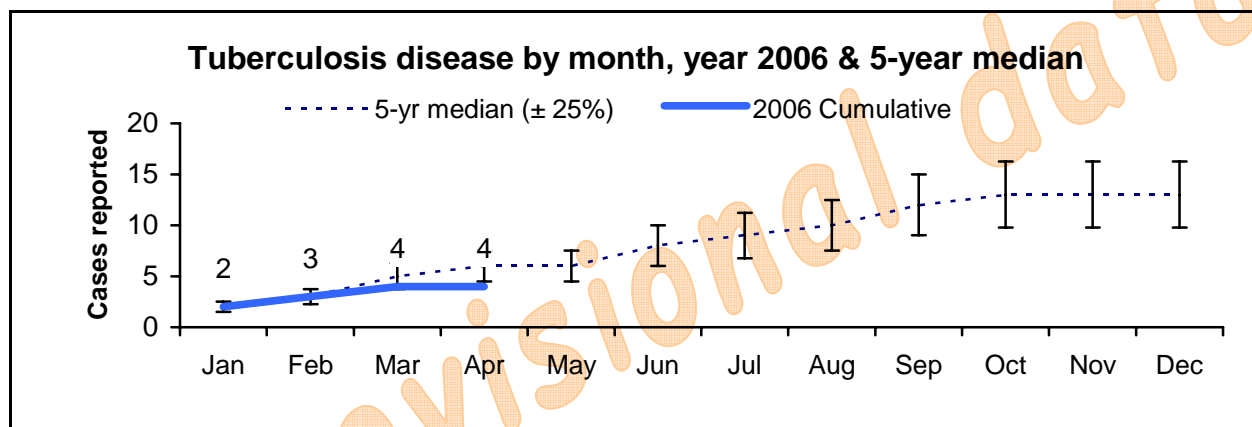
*Animals testing negative include: bat 6, beaver 1, bovine 15, cat 33, coyote 1, deer 3, dog 27, horse 2, kangaroo 1, opossum 1, prairie dog 1, rabbit 1, raccoon 11, skunk 4.

TUBERCULOSIS DISEASE							
Region	Pop	cases	Incidence	Jan	Feb	Mar	Apr
NorthEast Region	181,370	1	0.6	0	1	0	0
SouthEast Region	256,093	1	0.4	1	0	0	0
Central Region	148,973	0	0.0	0	0	0	0
Western Region	189,524	2	1.1	1	0	1	0
West River	234,727	2	0.9	1	0	1	0
East River	541,233	2	0.4	1	1	0	0
South Dakota YTD	775,960	4	0.5	2	1	1	0

Tuberculosis Healthy People 2010 Objective: 1.0 per 100,000 for a full year.



*Healthy People 2010 Objective for full year.



Incidence = cases reported per 100,000 population.

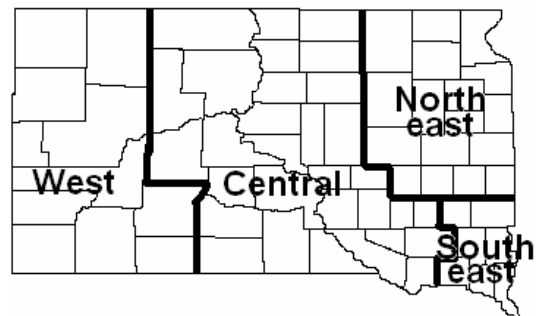
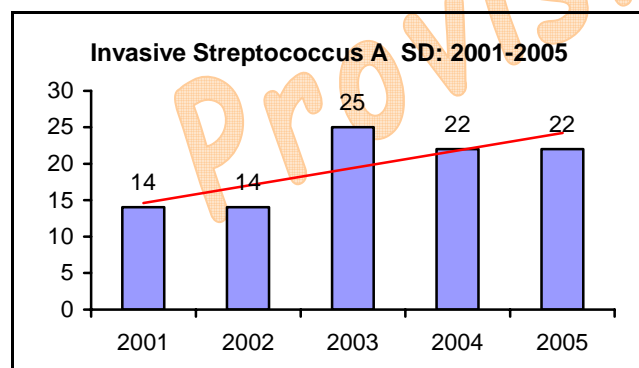
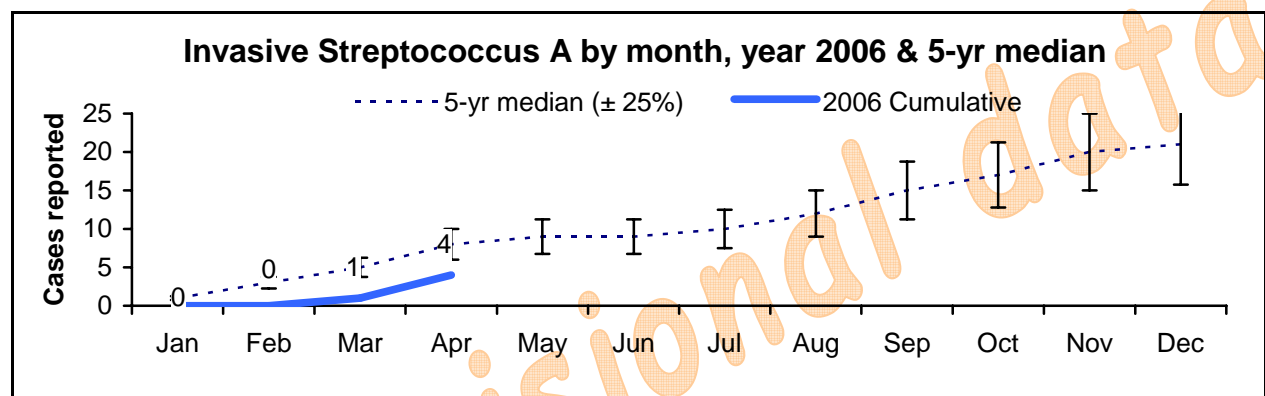
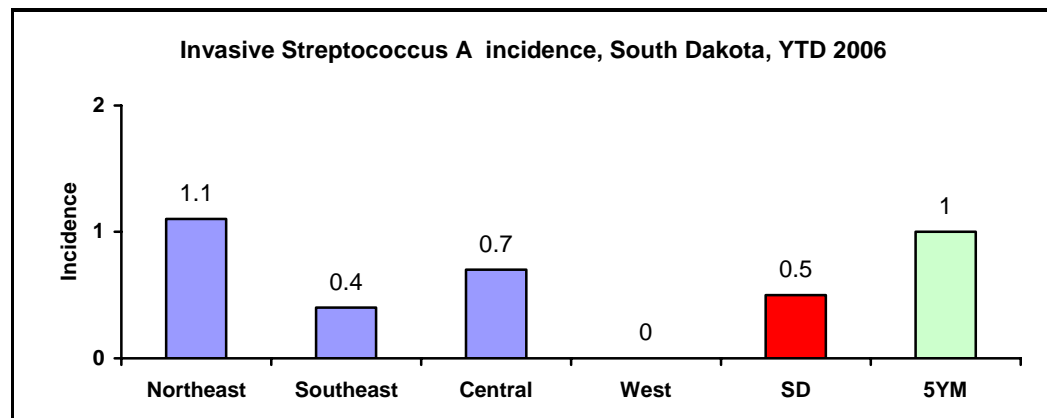
*Confidential disease reporting line 1-800-592-1804

5YM= 5-year median

Population based on 2003 estimates

STREPTOCOCCUS GROUP A, Invasive

Region	Pop	cases	Incidence	Jan	Feb	Mar	Apr
NorthEast Region	181,370	2	1.1	0	0	1	1
SouthEast Region	256,093	1	0.4	0	0	0	1
Central Region	148,973	1	0.7	0	0	0	1
Western Region	189,524	0	0.0	0	0	0	0
West River	234,727	1	0.4	0	0	0	1
East River	541,233	3	0.6	0	0	1	2
South Dakota YTD	775,960	4	0.5	0	0	1	3



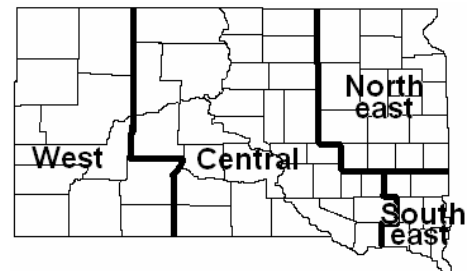
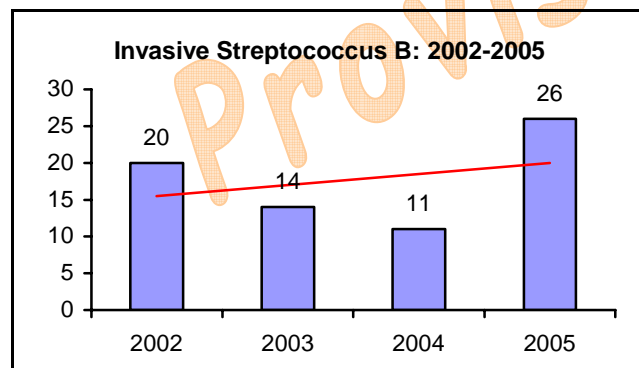
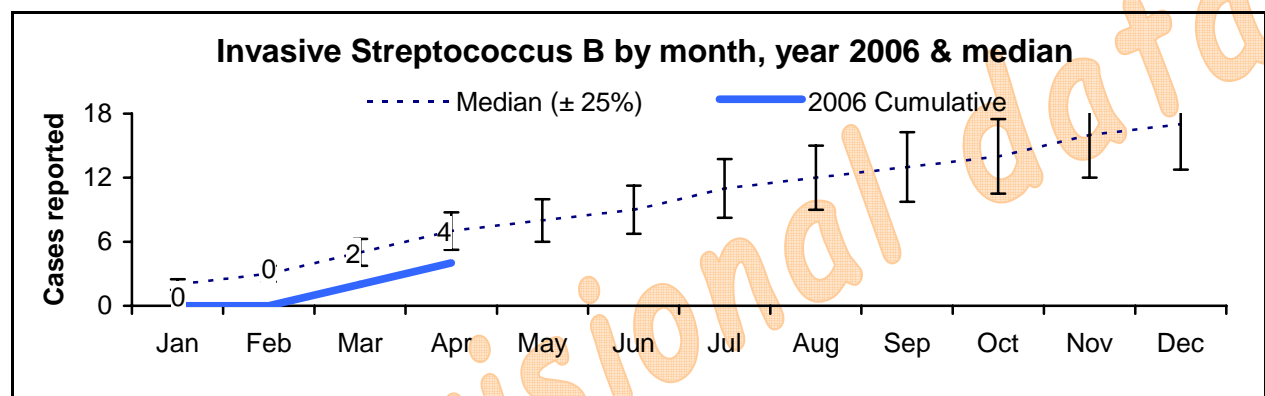
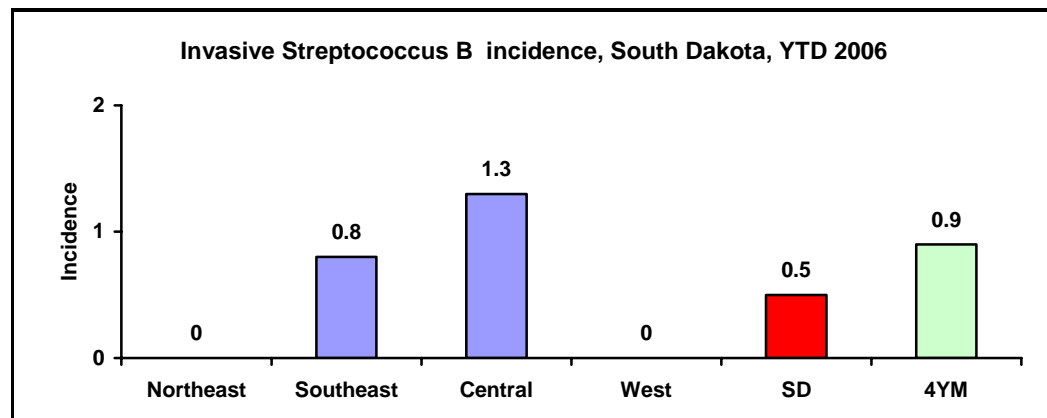
Incidence = cases reported per 100,000 population.

*Confidential disease reporting line 1-800-592-1804

5YM= 5-year median

Population based on 2003 estimates

STREPTOCOCCUS GROUP B, Invasive							
Region	Pop	# cases	Incidence	Jan	Feb	Mar	Apr
NorthEast Region	181,370	0	0.0	0	0	0	0
SouthEast Region	256,093	2	0.8	0	0	2	0
Central Region	148,973	2	1.3	0	0	0	2
Western Region	189,524	0	0.0	0	0	0	0
West River	234,727	2	0.9	0	0	0	2
East River	541,233	2	0.4	0	0	2	0
South Dakota YTD	775,960	4	0.5	0	0	2	2



Incidence = cases reported per 100,000 population.

*Confidential disease reporting line 1-800-592-1804

5YM= 5-year median

Population based on 2003 estimates

Other low incidence or newly reportable diseases in South Dakota, YTD2006

- Hepatitis A, acute 5 cases
- Listeriosis, 2 cases
- Legionnaires disease, 1 case
- Malaria (*P. vivax*), 1 case (imported)
- Typhoid fever, 1 case (imported)
- Mumps (as of 5-5-06), 13 confirmed, 24 probably 9 suspects
- Chronic Hepatitis C: 10 cases (new reporting)

CHICKEN POX (varicella)							
Region	Pop	# cases	Incidence	Jan	Feb	Mar	Apr
NorthEast Region	181,370	2	1.1	0	0	1	1
SouthEast Region	256,093	15	5.9	2	2	0	11
Central Region	148,973	4	2.7	1	2	0	1
Western Region	189,524	7	3.7	6	0	0	1
West River	234,727	7	3.0	6	0	0	1
East River	541,233	21	3.9	3	4	1	13
South Dakota YTD	775,960	28	3.6	9	4	1	14

MRSA, Invasive							
Region	Pop	# cases	Incidence	Jan	Feb	Mar	Apr
NorthEast Region	181,370	2	1.1	1	1	0	0
SouthEast Region	256,093	5	2.0	0	1	2	2
Central Region	148,973	5	3.4	1	2	1	1
Western Region	189,524	0	0.0	0	0	0	0
West River	234,727	0	0.0	0	0	0	0
East River	541,233	12	2.2	2	4	3	3
South Dakota YTD	775,960	12	1.5	2	4	3	3

*Methicillin-resistant *Staphylococcus aureus* isolated from a normally sterile site such as blood or cerebral spinal fluid and joint, pleural, or pericardial fluid.

HEPATITIS A							
Region	Pop	# cases	Incidence	Jan	Feb	Mar	Apr
NorthEast Region	181,370	0	0.0	0	0	0	0
SouthEast Region	256,093	1	0.4	0	1	0	0
Central Region	148,973	1	0.7	1	0	0	0
Western Region	189,524	3	1.6	0	0	0	3
West River	234,727	3	1.3	0	0	0	3
East River	541,233	2	0.4	1	1	0	0
South Dakota YTD	775,960	5	0.6	1	1	0	3

Healthy Peoples 2010 objective is 4.5 new cases per 100,000 population

Diseases may be reported to the SD Dept of Health at <http://www.state.sd.us/doh/diseasereport>